



SMUD Advanced Metering Infrastructure

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**CEC Load Management Standards
AMI Workshop**

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SMUD Vision

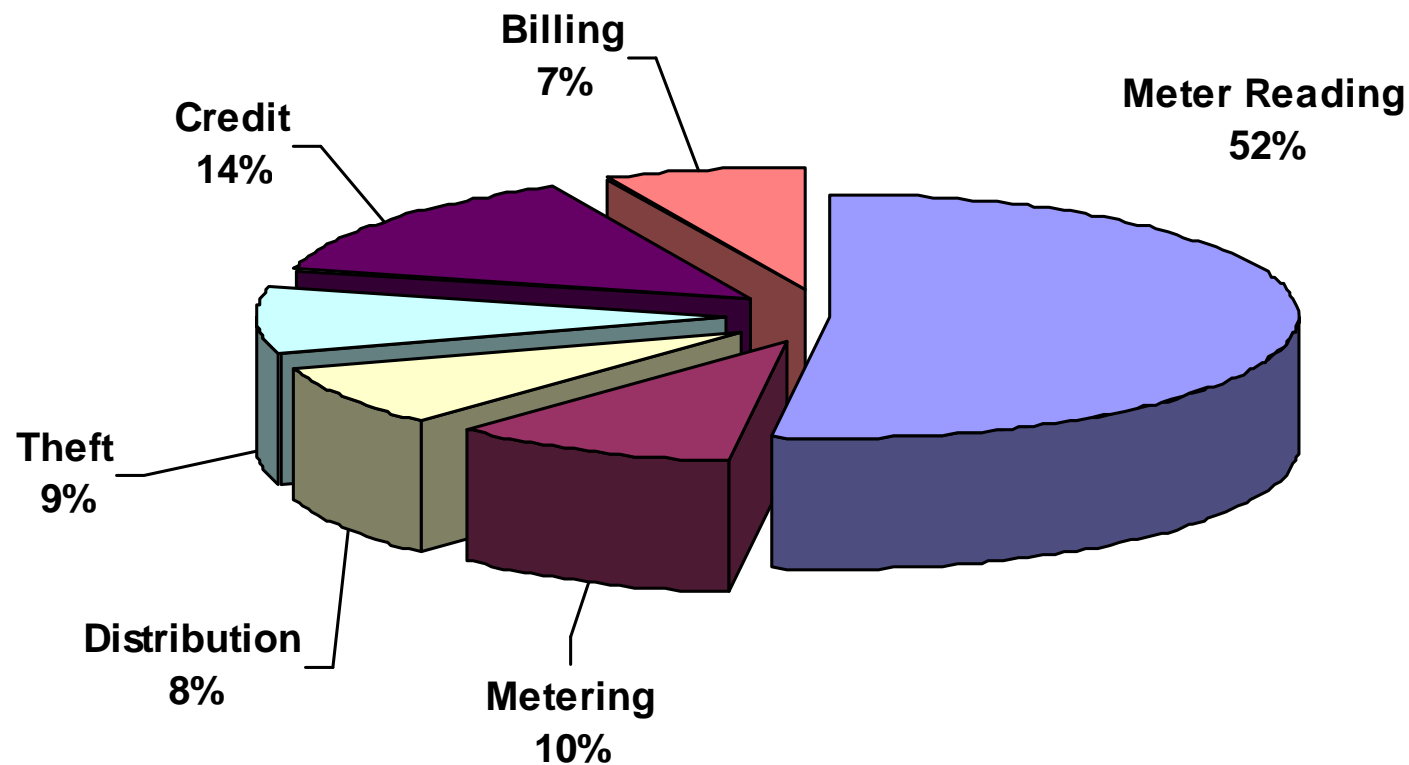
- **SMUD's vision is to empower our customers with solutions and options that**
 - Increase energy efficiency,
 - Protect the environment,
 - Reduce global warming, and
 - Lower the cost to serve our region.

AMI Project Objective

- **The objective of the Advanced Metering Infrastructure (AMI) Project is to implement an AMI system for all 610,000 residential and commercial customers by the end of 2011 that will:**
 - Significantly reduce ongoing operational costs,
 - Enable SMUD to improve service to our customers,
 - Create a foundation on which the SMUD can build a variety of programs such as demand response, load management, energy efficiency, and time-based pricing programs, and
 - Enable SMUD and our customers to reduce our impact on the environment.

AMI Business Case

AMI Financial Benefits



Project Overview

- **The selected AMI is expected to include:**
 - A robust and scalable network that can be leveraged for future “smart grid” applications,
 - Two-way interval meters for all SMUD residential and commercial customers,
 - Home Area Network (HAN) capabilities,
 - 200A remote service switches,
 - AMI Master Station software,
 - Integration of Master Station to Meter Data Management System (MDMS), SAP and Outage Management System, and
 - Development of CSR/customer tools to access and view energy usage data.

Preliminary Timeline

